Return By FAX MAINTAINING AND NURTURING

EXCELLENCE IN SCIENCE AND TECHNOLOGY

Backg	round Inforn	<u>nation:</u> ,		^	- 4	
Name:	DANIEL	NATHA	NS Phon	ne: 410 - 95	55-849	(5
	ization: <u>Hou</u>	JARD HUGH	es MED	. INST.	(JOHN)	s Hopkins (),
Addre	ess: <u>725</u>	N. WOLFA	e St.			
City: _	BALTIM	ORE	S	ate: <u>MD</u> Zip		-
Medal	l awarded (Ple	ase circle): Scie	nce Techno	logy Year a	warded /9	93
PLEA	SE RETURN	BY FAX TO: 41	15-399-4356			
OR MA	.IL TO:	ANN WOODWARD FOUNDATION FOR TO OF SCIENCE AND TO ONE BUSH STREET, SAN FRANCISCO, CA	TECHNOLOGY SUITE 1100	EDALS		FAXED 819 M4
PLEAS	E ANSWER T	HE FOLLOWING Q	UESTIONS:			
1)	How old were wanted to stud	e you when you deci dy?	ided that scienc	e/technology/or	engineering w	as what you
	Age: 17					
2)		key individual who is ology/engineering?	nfluenced your	interest in		
	Yes X	No				
	If yes, at what ag	ge did this individual sign	nificantly influence	you?		
3)	This individua	al was a (circle as m	any as are app	ropriate);		
	A Teacher B. Parent C. Family m D Scientist	nember Technologist/Engineer	E.	Entrepreneur Family friend Other		
4)	This key indibecause	ividual captured you	r interest in so	ience/technology	or engineerin	g
	BYou were C. The recog	ted to be like them involved in some of thei gnition they achieved attra ble rewards attracted you	acted you to the field	d 		
5)	Did you have	na mentor? (The No	ree)			
	If yes, at wha	at age? 22 to 33	3			

6)	How important was this mentor to your overall career development? (Please circle one):						
	Extremely important Very Somewhat Slightly Not at all important						
7)	Are you currently mentoring anyone?						
	Yes No						
8)	Did you have an internship in science/technology/engineering, etc.?						
	Yes X No elective research in medical Achool Your internship was provided by a (an)?						
9)	Your internship was provided by a (an)?						
	A. University B. Industry C. Government Agency D. Other						
10)	How important are internships in nurturing an interest in science/technology/ engineering for students? (Please circle one)						
	Extremely important Very Somewhat Slightly Not at all important						
11)	Did you receive a scholarship to pursue studies in:						
	A Science B. Technology C. Engineering D Other E. I did not receive a scholarship						
12)	What is the best way to expose students to science/ technology and engineering?						
	Science centers/Museums B. Internships C. Mentors D. Science classes at school — if improved E. Clubs and related organizations (junior achievement, etc.) F. Educational Television G. Science and technology faires H. Other						
13)	By communicating their success stories, recipients of the National Medals of Science and Technology can play an important role in inspiring students to pursue careers in science and technology? (Please circle one)						
	strongly agree agree disagree strongly disagree						
14)	Recipients of the National Medals of Science and Technology can inspire students by:						
	A Getting involved with their local schools (teaching, mentoring) B. Giving speeches C. Writing books/ articles D Video/ TV presentations E. Other						

Assuming it is imperative that more American students need to choose career paths 15) in science and technology, please circle a number from 1-5 in order of effectiveness at achieving this goal (use "1" as the highest ranking and "5" as the lowest).

To inspire more students to pursue science and technology career paths, we must

	Most Effective	Least Effective
Involvement of scientists and technologists with students at/or before the Middle school level	1 2 3	4 5
Corporate participation in the education process	1 2 (3) 4 5
"Hands-on" experience in science classes	1 2 3	4 5
Student exposure to careers available through an education in science, math, or engineering	1 2 3	4 5
Increase the number of science and math classes required for high school graduation	1 2 3	4 5
Increase the number of science/technology/engineering/ math classes required for college graduation	1 2 3	4 5
Increase scholarships awarded to high school students who choose to pursue studies in science/ technology	1 (2) 3	4 5
Increase government grants awarded to individuals under 30	1 2 3	4 5
Other: Transmit to excitement of science	1 2 3	4 5
Other: Honors courses in see. + well.	1 (2) 3	3 4 5
Other:	1 2 3	3 4 5
lease answer as completely as possible these questions relating the innovation for which you received the National Medal. For ease use the back of this page. What advice would you give to a young student wanting to follow.	additional s	space,
		······································
2. aim high 3. Emphasise the Jundamentals - math.	Musics	chomic

17) What should scientists and technologists be doing to nurture students capable of achieving innovations similar to yours?